

**BOBBY JINDAL**  
GOVERNOR



**PEGGY M. HATCH**  
SECRETARY

**State of Louisiana**  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES

Certified Mail No.:

Agency Interest No. 2367  
Activity No.: PER20090001

Ralph Caddell  
Site Manager  
Syngenta Crop Protection, Inc.  
Post Office Box 11  
St. Gabriel, LA 70776

RE: Part 70 Operating Permit Modification, Herbicide Production Facility, Syngenta Crop Protection, Inc., St. Gabriel, Iberville Parish, Louisiana

Dear Mr. Caddell:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 11<sup>th</sup> of August, 2010, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

Permit No.: 2904-V2

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary

CCB:FJH  
cc: EPA Region VI

**AIR PERMIT BRIEFING SHEET**  
**PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Herbicide Production Facility**  
**Agency Interest No.: 2367**  
**Syngenta Crop Protection, Inc. – St. Gabriel Plant**  
**St. Gabriel, Iberville Parish, Louisiana**

**I. Background**

Syngenta Crop Protection - St. Gabriel Plant manufactures and formulates pesticides and specialty chemicals. The plant is located on River Road (LA. 75), approximately 0.5 miles south of the intersection of La. 74 and River Road in Iberville Parish. Syngenta took ownership from Novartis Crop Protection, Inc. in January 2001. The Herbicide Production Facility (HPF) currently operates under Permit No. 2904-V1 dated July 13, 2006 and administrative amendment dated September 15, 2006.

This is the Part 70 operating permit for the Herbicide Production Facility only.

**II. Origin**

A permit application and Emission Inventory Questionnaire was submitted by Syngenta Crop Protection - St. Gabriel Plant on March 23, 2009, requesting a Part 70 permit modification. Additional information dated January 14, 2010 was also received.

**III. Description**

The Syngenta St. Gabriel Plant manufactures and formulates pesticides and specialty chemicals. Specific processes include: 1) manufacture, formulation, and packaging of s-triazine herbicides, 2) manufacture of hydrogen cyanide, a raw material, 3) manufacture, formulation, and packaging activities for various other pesticides, and specialty chemicals, and 4) supportive activities for the above which include effluent treatment systems, maintenance, utilities, analytical and quality control. Additionally, hazardous and non-hazardous solid waste streams are incinerated in the St. Gabriel Plant multi-purpose rotary kiln incinerator.

The Herbicide Production Facility (HPF) consists of two manufacturing units. The first unit (CC unit) manufactures cyanuric chloride (CC) from hydrogen cyanide (produced on-site) and chlorine (received via pipeline). The second unit (Triazine unit) reacts the cyanuric chloride with various amines, depending on the desired product, to produce the s-Triazine herbicides. This unit is also involved in grinding and formulation activities of finished and intermediate products.

In the CC unit, cyanogen chloride (CNCl) is first produced by the reaction of hydrogen cyanide (HCN) and chlorine (Cl<sub>2</sub>). The CNCl is dried and sent to trimerizers containing activated carbon catalyst. In this step, the CNCl is trimerized to produce cyanuric chloride (CC). The CC vapors are condensed and separated from the remaining gases. The molten CC is dissolved in toluene and sent to storage. The remaining gases are absorbed in carbon tetrachloride (CCl<sub>4</sub>). The Cl<sub>2</sub> and unreacted CNCl are stripped and returned to the process. The CC recovered from the remaining gases is transferred to toluene and sent to storage.

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In the Triazine unit, CC/toluene solution is pumped to a series of reactors where CC is reacted with various amines and aqueous sodium hydroxide to produce the s-Triazine. The resulting mixture is either decanted and steam stripped or steam stripped without decanting, depending on which product is being produced. After being stripped, the aqueous s-Triazine slurry is filtered and washed. The wet cake is formulated into either powder or liquid formulations. Powders are spray dried and ground. Liquids are ground, and then a final formulation is made. Products are then transferred to the packaging unit for final processing (if needed), packaging and shipping.

The proposed modification of the HPF is to incorporate the December 2008 stack test data for the Effluent Treatment Stripper, which vents to Emission Point 002/EQT034 (CC Vent to Scrubber). In addition, certain toxic air pollutant (TAP) emissions that are not speciated in the current permit are listed for various sources are listed below.

Spray Dryer, 001/EQT033

- Add hexachlorobenzene (HCB) emissions of 0.02 tons/year
- Increase the operating hours from 8064 to 8760 hrs/year and revise all emission rates based on the increased operating schedule, except toluene and benzene

CC Vent to Scrubber, 002/EQT034

- Incorporate stack test data for the Effluent Treatment (ET) Stripper, to include increased chlorine (Cl) of +0.58 tons/year and hydrochloric acid (HCl) emissions of 0.124 tons/year
- Update control efficiencies for HCL and chlorine based on the stack data
- Add Hydrogen Cyanide (HCN) emissions of 0.02 tons/year

CC Vent to Combustor, 002b/EQT002b

- Revise volatile organic compound (VOC) emission rates

Thermal Oxidizer, 1-03/EQT048

- Add chlorinated dibenzo-p-dioxins emissions of <0.001 tons/yr
- Add chlorinated dibenzofurans <0.001 tons/yr
- Revise maximum HCl emissions to 0.83 lbs/hr

Dowtherm Blowdown Drum, 119F/EQT044

- Revise VOC emissions and biphenyl emissions to 0.012 tons/yr each  
Topping Still Drum, 134F/EQT054
- Increase toluene and VOC emissions to 0.001 tons/year each

Equipment Fugitives, HPFFUG/FUG003

- Incorporate the Consolidated Fugitives Program
- Update fugitive emission calculations

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Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Emissions</u>		<u>Change</u>
	<u>Before</u>	<u>After</u>	
PM <sub>10</sub>	14.70	15.82	+ 1.12
SO <sub>2</sub>	0.20	0.21	+ 0.01
NO <sub>x</sub>	55.96	59.70	+ 3.74
CO	59.13	63.90	+ 4.77
VOC	276.86	236.74	- 40.12

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
Benzene	0.01	0.01	-
Bi-Phenyl	0.004	8.89	+ 8.89*
Carbon Tetrachloride	45.81	9.72	- 36.09
Chloroform	0.05	0.05	-
Chlorinated dibenzo-p-dioxins	-	<0.001	+0.001
Chlorinated dibenzofurans	-	<0.001	+0.001
Ethylene Glycol	0.03	0.03	-
Hexachlorobenzene	-	0.02	+ 0.02
Methanol	0.41	0.44	+ 0.03
Toluene	190.93	191.30	+ 0.37
Total	237.24	210.46	- 26.78

\* Previously permitted as VOC in fugitive emissions.

Other VOC (TPY):

Non-toxic VOC	26.47
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Non- VOC TAPs (TPY):

Chlorine	1.20	1.31	+ 0.11
Cyanide Compounds	7.01	14.95	+ 7.94
Hydrogen Cyanide	0.26	0.28	+ 0.02
Hydrochloric Acid	2.98	3.10	+0.12
Phosgene	0.03	0.03	-
Total	11.48	19.67	+ 8.19

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**IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and NESHAP. Prevention of Significant Deterioration does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

The HPF is subject to 40 CFR 63, Subpart MMM – National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (PAI MACT).

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, on March XX, 2010; and in the xx, xx, on March XX, 2010. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on March XX, 2010. All comments will be considered prior to the final permit decision. Public notice is required per LAC 33:III.5107.D.2. State Only.

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**VII. Effects on Ambient Air**

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ required the applicant to model emissions.

Dispersion Model Used: ISC2 (Screen) and ISCST2

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
Biphenyl	8 hr	15.30 $\mu\text{m}^3$	23.80 $\mu\text{m}^3$
Carbon Tetrachloride	Annual	6.50 $\mu\text{m}^3$	6.67 $\mu\text{m}^3$

**VIII. General Condition XVII Activities**

Activity	Frequency	Pollutant	TPY
Formulation Additive Mixing (Pregel)	365 hrs/yr	PM	Trace
Binder Handling System	100 hrs/yr	PM	Trace
Draining of Amine Water to Trench During Startup/Shutdown	18 times/yr @ 8 hrs /time	Toluene	0.005
Draining the Primary and Secondary Strippers to the Ground at Startup	18 times/yr @12 hrs/time	Toluene	0.005
Setting-up Equipment for Maintenance	180 days	Toluene	0.0025
Decanting Vessels During Unit Outages	10 times/yr	Toluene	0.005
Draining Vent Headers	NA	Toluene	0.005
Acid Washing of the Thermal Oxidizer	1 time/wk	HCl	Trace

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**IX. Insignificant Activities:**

<u>ID No.:</u>	<u>Description</u>	<u>Capacity</u>	<u>Citation</u>
-	Laboratory Hoods	NA	LAC 33:III.501.B.5.A.6
616-F	Pregel Storage Tank	200 gals	LAC 33:III.501.B.5.A.2
2141-F	Proxel Batch	30 gals	LAC 33:III.501.B.5.A.2
152-F	Pregel Mix Tank Relief	500 gals	LAC 33:III.501.B.5.A.3
175-F	Proxel Storage Tank	1,500 gals	LAC 33:III.501.B.5.A.3
606-F	Surfactant Blend Tank	10,000 gals	LAC 33:III.501.B.5.A.3
118-F	Coolant Oil Surge Drum (Mobiltherm 600)	8,000 gals	LAC 33:III.501.B.5.A.3
2625-F	Diesel No. 1 Tank for Emergency Generator	500 gals	LAC 33:III.501.B.5.A.3
2801-LF	Diesel Tank	400 gals	LAC 33:III.501.B.5.A.3
153-F	Decanter Solvent Purge	1,422 gals	LAC 33:III.501.B.5.A.3
125-FA	15% Caustic Dilute Storage	20,000 gals	LAC 33:III.501.B.5.B.40
2103-F	50% Caustic Storage Tank	21,000 gals	LAC 33:III.501.B.5.B.40
126-FA	Caustic Scrubber Tank	21,000 gals	LAC 33:III.501.B.5.B.40
126-FB	Caustic Scrubber Tank	21,000 gals	LAC 33:III.501.B.5.B.40
128-FA	Caustic Scrubber Tank	12,000 gals	LAC 33:III.501.B.5.B.40
128-FB	Caustic Scrubber Tank	12,000 gals	LAC 33:III.501.B.5.B.40
187-F	Ammonia Soap	500 gals	LAC 33:III.501.B.5.A.3
619-F	Surge Filter Cloth Wash Water	750 gals	LAC 33:III.501.B.5.A.3
628-F	98% Acid Filter Wash for 601-FA/FB	1,600 gals	LAC 33:III.501.B.5.A.3
120-F	Primary Brine Surge Tank	20,000 gals	LAC 33:III.501.B.5.A.10
123-F	Secondary Brine Surge Tank	25,000 gals	LAC 33:III.501.B.5.A.10
129-F	Brine Make-Up Tank	500 gals	LAC 33:III.501.B.5.A.10
2109-F	Wetting Agent Storage Drum	25,000 gals	LAC 33:III.501.B.5.A.10
2133-F	Pre-Treatment Mixing	5,580 gals	LAC 33:III.501.B.5.A.3
149-F	Condensate Collection Tank	8,500 gals	LAC 33:III.501.B.5.A.3
601-F	Sluice Water Tank	5,000 gals	LAC 33:III.501.B.5.A.3
602-F	South Slurry Mix Tank	5,000 gals	LAC 33:III.501.B.5.A.3
602-FA	North Slurry Mix Tank	5,000 gals	LAC 33:III.501.B.5.A.3
620-F	Spray Dryer Feed Tank	3,000 gals	LAC 33:III.501.B.5.A.3
635-F	Cowles Mix Tank	800 gals	LAC 33:III.501.B.5.A.3
2140-F	Proxel Storage Tank	6,000 gals	LAC 33:III.501.B.5.A.3



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X. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III.Chapter														
		5 <sup>▲</sup>	9	11	13	15	2103	2113	2115	2122	22	29	51*	52	56	59
ID No.:	Description <sup>1</sup>															
EQT061 <sup>^</sup>	136-F: Toluene Storage					1							1			
EQT062 <sup>^</sup>	140-F: Toluene Storage					1							1			
EQT055 <sup>^</sup>	156-F: Vent Relief Tank												1			
EQT056 <sup>^</sup>	168-F: Multi-Stage Decanter												1			
EQT072 <sup>^</sup>	2414-F: Triazine Effluent Surge Tank					3							1			
EQT059 <sup>^</sup>	130-FA: CC/Toluene Storage Tank					1							1			
EQT060 <sup>^</sup>	130-FB: CC/Toluene Storage Tank					1							1			
EQT070	113-F: Carbon Tetrachloride Storage															
EQT071	131-F: Carbon Tetrachloride Storage Tank															

\* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

^ Vent to the atmosphere 240 hours/year. All other times vent to the thermal oxidizer (EQT48).

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements which apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

[Blank – The regulations clearly do not apply to this type of emission source.]

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X. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60 NSPS										40 CFR 61				40 CFR 63				40 CFR	40 CFR
		A	VV	Dc	Kb	III	NNN	RRR	A	M	A	I	F,G,H	NNNNN	MMMM						
ID No.	Description																				
UNF005	Herbicide Production Facility	1			3	2	3	3	1	1	1	3	3							1	
EQT033	001: Spray Dryer																			2	
EQT034	002: CC Vent to Scrubber																			1	
EQT035	002b: CC Vent to Combustor																			1	
EQT036	003: Grinder Discharge Vents (2)																				
EQT037	010: Dowtherm Heater			2																	
EQT038	011: HCN Drop Tanks Flare																			1	
EQT039	012: Vacuum Vents																			1	
EQT040	013: Filler Vent Exhaust																			2	
EQT042	2110-F: Dispersion Agent Storage				3																
EQT043	2112-F: Princep Master Batch				3															2	
EQT044	119-F: Dowtherm Blowdown Drum																				
EQT045	2117-FA: Toximul Storage				3																
EQT046	2119-F: Ethylene Glycol Storage				3															2	
EQT047	2120-F: Renex Storage				3																



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X. Applicable Louisiana and Federal Air Quality Requirements																			
ID No.	Description	40 CFR 60 NSPS						40 CFR 61			40 CFR 63		40 CFR	40 CFR					
		A	VV	Dc	Kb	III	NNN	RRR	A	M	A	I	F,G,H	NNNN	MMM	68	82		
EQT070	113-F:Carbon Tetrachloride Storage				3														
EQT071	131-F: Carbon Tetrachloride Storage Tank				3														

^ Vent to the atmosphere 240 hours/year. All other times vent to the thermal oxidizer (EQT48).

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements which apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
	VOC Emissions from SOCOMI Air Oxidation Units [40 CFR 60 Subpart III]	DOES NOT APPLY. This facility does not contain air oxidation processes. Facility was constructed prior to 10/21/83.
	VOC Emissions from SOMI Distillation Processes [40 CFR 60 Subpart NNN]	EXEMPT. Unit has not been modified or reconstructed since 12/30/83.
	VOC Emissions from SOCOMI Reactor Processes [40 CFR 60 Subpart RRR]	DOES NOT APPLY. This unit was constructed prior to 6/29/90, and has not been reconstructed or modified after 6/29/90.
Herbicide Production Facility (HPF)	Hazardous Organic NESHAPS [40 CFR 63 Subpart F, G, and H]	DOES NOT APPLY. This unit does not produce any of the products listed in Table I of 40 CFR 63 Subpart F.
	Equipment Leaks for Certain Processes [40 CFR 63 Subpart I]	DOES NOT APPLY. This unit does not produce any of the products listed in 63.190.b.1 through 63.190.b.6.
	NESHAPS Hydrochloric Acid Production [40 CFR 63 Subpart NNNNN]	DOES NOT APPLY. In accordance with 63.8985(b)(3), a facility that is subject to 40 CFR 63 Subpart MMM is not subject to this subpart.
	Ozone Depleting Substances – Production and Consumption Controls [40 CFR 82 Subpart A]	DOES NOT APPLY. The HPF does not meet the definition of "production".
	Emission Standards of Sulfur Dioxide [LAC 33:III.1503]	EXEMPT. SO <sub>2</sub> < 100 TPY. Burns natural gas.
EQT033	Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. This stream is not considered a waste gas.
001: Spray Dryer	NESHAPS Pesticide Active Ingredient Production [40 CFR 63 Subpart MMM]	EXEMPT. Organic concentration is less than 20 ppmv.
EQT034	Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. No waste gas stream containing volatile organic compounds vent to this device.
002:CC Vent to Scrubber	Emission Standards of Sulfur Dioxide [LAC 33:III.1503]	EXEMPT. SO <sub>2</sub> < 100 TPY.
EQT035	Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. No waste gas stream containing volatile organic compounds vent to this device.
002b: CC Vent to Combustor		

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XI. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
EQT037 010:Dowtherm Heater	Emission Standards of Sulfur Dioxide [LAC 33:III.1503]	EXEMPT. SO <sub>2</sub> < 100 TPY. Burns natural gas.
	Control of Emissions of Nitrogen Oxide [LAC 33:III.2201]	EXEMPT. This heater has a maximum rated capacity of less than 80 MM BTU/hr.
	Industrial Steam Generating Units [NSPS Subpart Dc]	EXEMPT. This unit was constructed prior to June 9, 1989.
EQT038	Emission Standards of Sulfur Dioxide [LAC 33:III.1503]	EXEMPT. SO <sub>2</sub> < 100 TPY. Burns natural gas.
011:HCN Drop Tanks Flare	Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. HCN is not a hydrocarbon waste gas stream.
EQT040	NESHAPS Pesticide Active Ingredient Production [40 CFR 63 Subpart MMM]	EXEMPT. Organic concentration is less than 50 ppmv.
013:Filter Vent Exhaust		
EQT059	Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb]	DOES NOT APPLY. This vessel was constructed prior to July 23, 1984.
EQT060	Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb]	DOES NOT APPLY. This vessel was constructed prior to July 23, 1984.
130-FA:CC/Toluene Storage Tank	Storage of Volatile Organic Compounds [LAC 33:III.2103]	EXEMPT. Vapor pressure is less than 1.5 psia. Emissions are controlled by the Carbon Adsorption Toluene Vent (CATV) System.
EQT061	Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb]	DOES NOT APPLY. This vessel was constructed prior to July 23, 1984.
136-F: Toluene Storage Tank		

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XI. Explanation for Exemption Status or Non-Applicability of a Source		Notes
ID No:	Requirement	
EQ1062 140-F: Toluene Storage Tank	Storage of Volatile Organic Compounds [LAC 33:III.2103]	EXEMPT. Vapor pressure is less than 1.5 psia. Emissions are controlled by the Carbon Adsorption Toluene Vent (CATV) System.
EQ1071 131-F: Carbon Tetrachloride Storage Tank	Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb] NESHAPS Pesticide Active Ingredient Production [40 CFR 63 Subpart MfMM]	EXEMPT. Exempt from the requirements of Subpart Kb, per 40 CFR 63.1360(i)(3).
EQ1046 2119-F: Ethylene Glycol Storage Tank	Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb] Storage of Volatile Organic Compounds [LAC 33:III.2103]	EXEMPT. Group II Storage Tank which is exempted from any control requirements. DOES NOT APPLY. Tank storage capacity is less than 40 m <sup>3</sup> (10,566 gallons).
EQ1043 2112-F: Princep Master Batch	Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb] NESHAPS Pesticide Active Ingredient Production [40 CFR 63 Subpart MfMM]	EXEMPT. Vapor pressure is less than 1.5 psia. DOES NOT APPLY. This vessel was constructed prior to July 23, 1984. EXEMPT. Group II Storage Tank which is exempt from any control requirements. EXEMPT. Vapor pressure is less than 1.5 psia. DOES NOT APPLY. Tank storage capacity is less than 75 m <sup>3</sup> (19,813 gallons).
		EXEMPT. Group II Storage Tank which is exempt from any control requirements.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Herbicide Production Facility**  
**Agency Interest No.: 2367**  
**Syngenta Crop Protection, Inc. - St. Gabriel Plant**  
**St. Gabriel, Iberville Parish, Louisiana**

<b>XI. Explanation for Exemption Status or Non-Applicability of a Source</b>		
<b>ID No:</b>	<b>Requirement</b>	<b>Notes</b>
EQT070 113-F:Carbon Tetrachloride Storage	Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb] NESHAPS Pesticide Active Ingredient Production [40 CFR 63 Subpart MMM] Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank storage capacity is less than 40 m <sup>3</sup> (10,566 gallons).  EXEMPT. Group II Storage Tank which is exempt from any control requirements.  DOES NOT APPLY. This is not a storage vessel.
EQT072 2414-F:Triazine Effluent Surge Tank	Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb] Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. This is not a storage vessel.
EQT042 2110-F:Dispersion Agent Storage	Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb] Storage of Volatile Organic Compounds [LAC 33:III.2103]	EXEMPT. Vapor pressure is less than 1.5 psia.  DOES NOT APPLY. This vessel was constructed prior to July 23, 1984.
EQT045 2117-FA:Toximum Storage Tank	Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb]	EXEMPT. Vapor pressure is less than 1.5 psia.  DOES NOT APPLY. This vessel was constructed prior to July 23, 1984.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Herbicide Production Facility  
 Agency Interest No.: 2367  
 Syngenta Crop Protection, Inc. – St. Gabriel Plant  
 St. Gabriel, Iberville Parish, Louisiana**

<b>XI. Explanation for Exemption Status or Non-Applicability of a Source</b>		
<b>ID No:</b>	<b>Requirement</b>	<b>Notes</b>
EQT047 2120-F:Renex Storage	Storage of Volatile Organic Compounds [LAC 33:III.2103] Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb]	EXEMPT. Vapor pressure is less than 1.5 psia.  DOES NOT APPLY. This vessel was constructed prior to July 23, 1984.
EQT048 1-03: Thermal Oxidizer	Emission Standards of Sulfur Dioxide [LAC 33:III.1503]	EXEMPT. SO <sub>2</sub> < 100 TPY. Recordkeeping and reporting requirements are required.
EQT036 003: Grinder Discharge Vents (2)	Waste Gas Disposal [LAC 33:III.2115] Waste Gas Disposal [LAC 33:III.2115]	EXEMPT. PAI MACT requires controls that reduce VOC's to a more stringent standard. DOES NOT APPLY. No waste gas stream containing volatile organic compounds vent to this device.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit.

**General Information**

**AI ID: 2367 Syngenta Crop Protection Inc - St Gabriel Plant**  
**Activity Number: PER20090001**  
**Permit Number: 2904-V2**  
**Air - Title V Regular Permit Minor Mod**

Also Known As:

ID	Name	User Group	Start Date
1280-00007	CDS Number	CDS Number	04-04-1972
LAD053783445	Syngenta Crop Protection Inc	Hazardous Waste Notification	08-18-1980
PMT/CA	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
LAD053783445	Ciba Geigy	Inactive & Abandoned Sites	11-23-1999
LA0005487	LPDES #	LPDES Permit #	05-22-2003
LA0095478	LPDES #	LPDES Permit #	05-22-2003
WP0956	LWDPS #	LWDPS Permit #	06-25-2003
WP4554	LWDPS #	LWDPS Permit #	06-25-2003
04042	LELAP #	Laboratory Services Division	10-17-2001
LA-2219-L01	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
2219	Radioactive Material License	Radiation License Number	12-08-2000
G-047-2031	X-Ray Registration Number	Radiation X-ray Registration Number	12-31-2008
GPD-047-0107	Site ID #	Solid Waste Facility No.	11-21-1999
GPD-047-0224	Site ID #	Solid Waste Facility No.	08-13-2001
16945	Ciba-Geigy Corp	Solid Waste Facility No.	01-08-2002
24824	Ciba-Geigy Corp	TEMPO Merge	01-08-2001
31435	Syngenta Crop Protection Inc	TEMPO Merge	03-22-2001
38791	Novartis	TEMPO Merge	03-12-2001
4418	Novartis Crop Protection Inc	TEMPO Merge	02-04-2001
45830	Zeneca Ag Production Inc	TEMPO Merge	03-19-2001
48920	Zeneca Inc	TEMPO Merge	03-19-2001
75341	Ciba-Geigy Corp	TEMPO Merge	03-12-2001
96982	Ciba-Geigy Corp	TEMPO Merge	03-12-2001
70776CBGGYRIVER	TRI #	TEMPO Merge	02-27-2002
70776CMRCSHWY75	TRI #	Toxic Release Inventory	07-08-2004
23002025	UST Facility ID (from UST legacy data)	Toxic Release Inventory	07-09-2004
729	Water Permit #	UST FID #	10-11-2002
		Water Permitting	11-21-1999

Physical Location:

3905 Hwy 75  
 St. Gabriel, LA 70776

Main FAX: 2256421653  
 Main Phone: 2256421100

Mailing Address:

PO Box 11  
 St. Gabriel, LA 70760011

**General Information**

**AI ID: 2367 Syngenta Crop Protection Inc - St Gabriel Plant**  
**Activity Number: PER20090001**  
**Permit Number: 2904-V2**  
**Air - Title V Regular Permit Minor Mod**

**Location of Front Gate:** 30.246728 latitude, -91.103508 longitude, Coordinate Method: Lat/Long, - DMS, Coordinate Datum: NAD83

**Related People:**

Name	Mailing Address	Phone (Type)	Relationship
Richard Boudreau	PO Box 11 St. Gabriel, LA 707760011	2256421257 (WP)	Hazardous Waste Permit Contact For
Richard Boudreau	PO Box 11 St. Gabriel, LA 707760011	2256421257 (WP)	Haz. Waste Billing Party for
Ralph Caddell	PO Box 11 St. Gabriel, LA 707760011		Responsible Official for
Victor Cross	PO Box 11 St. Gabriel, LA 707760011	2256421483 (WP)	Water Permit Contact For
Victor Cross	PO Box 11 St. Gabriel, LA 707760011	2256421483 (WP)	Underground Storage Tank Contact for
Victor Cross	PO Box 11 St. Gabriel, LA 707760011	2256421483 (WP)	Water Billing Party for
Mark Graham	PO Box 11 St. Gabriel, LA 707760011	2253179150 (CP)	Radiation Contact For
Mark Graham	PO Box 11 St. Gabriel, LA 707760011	2256421794 (WF)	Radiation Contact For
Mark Graham	PO Box 11 St. Gabriel, LA 707760011	2256421622 (WP)	Radiation Contact For
Mark Graham	PO Box 11 St. Gabriel, LA 707760011	2253179150 (CP)	Radiation Safety Officer for
Mark Graham	PO Box 11 St. Gabriel, LA 707760011	2256421794 (WF)	Radiation Safety Officer for
Mark Graham	PO Box 11 St. Gabriel, LA 707760011	2256421622 (WP)	Radiation Safety Officer for
Bruce Raif	PO Box 11 St. Gabriel, LA 707760011	BRUCE.RAFF@SYN	Accident Prevention Contact for
Bruce Raif	PO Box 11 St. Gabriel, LA 707760011	2256421686 (WP)	Accident Prevention Billing Party for
Bruce Raif	PO Box 11 St. Gabriel, LA 707760011	BRUCE.RAFF@SYN	Accident Prevention Billing Party for
Bruce Raif	PO Box 11 St. Gabriel, LA 707760011	2256421686 (WP)	TEDI Contact for
Bruce Raif	PO Box 11 St. Gabriel, LA 707760011	BRUCE.RAFF@SYN	TEDI Contact for
Bruce Raif	PO Box 11 St. Gabriel, LA 707760011	BRUCE.RAFF@SYN	Air Permit Contact For
Bruce Raif	PO Box 11 St. Gabriel, LA 707760011	2256421686 (WP)	Accident Prevention Contact for
Bruce Raif	PO Box 11 St. Gabriel, LA 707760011	BRUCE.RAFF@SYN	Emission Inventory Contact for
Bruce Raif	PO Box 11 St. Gabriel, LA 707760011	2256421686 (WP)	Emission Inventory Contact for
Bruce Raif	PO Box 11 St. Gabriel, LA 707760011	BRUCE.RAFF@SYN	Emission Inventory Contact for
Bruce Raif	PO Box 11 St. Gabriel, LA 707760011	2256421686 (WP)	Emission Inventory Contact for
Bruce Raif	PO Box 11 St. Gabriel, LA 707760011	2256421686 (WP)	Air Permit Contact For

**Related Organizations:**

Name	Address	Phone (Type)	Relationship
Novartis Crop Protection			Formerly owned
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Emission Inventory Billing Party
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Operates
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	UST Billing Party for
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Radiation Registration Billing Party for
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Air Billing Party for
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Solid Waste Billing Party for
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Radiation License Billing Party for
Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Emission Inventory Billing Party

**General Information**

**AI ID: 2367 Syngenta Crop Protection Inc - St Gabriel Plant**  
**Activity Number: PER20090001**  
**Permit Number: 2904-V2**  
**Air - Title V Regular Permit Minor Mod**

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Syngenta Crop Protection Inc	PO Box 11 St Gabriel, LA 707760011	2256421100 (WP)	Owns
	Zeneca AG Prod Inc	4990A ICI Rd St. Gabriel, LA 707760586	2256422200 (WP)	Formerly owned
	Zeneca AG Prod Inc	4990A ICI Rd St. Gabriel, LA 707760586	2256422200 (WP)	Formerly operated
	Zenergy Inc	One Warren Place Tulsa, OK 74136	9184886471 (WF)	Formerly operated
	Zenergy Inc	One Warren Place Tulsa, OK 74136	9184886401 (WP)	Formerly operated
	Zenergy Inc	One Warren Place Tulsa, OK 74136	9184886471 (WF)	Formerly owned
	Zenergy Inc	One Warren Place Tulsa, OK 74136	9184886401 (WP)	Formerly owned

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to [facupdate@la.gov](mailto:facupdate@la.gov).

**INVENTORIES**

**AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant**  
**Activity Number: PER20090001**  
**Permit Number: 2904-V2**  
**Air - Title V Regular Permit Minor Mod**

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Herbicide Production Facility</b>						
EQT 0033	001 - Spray Dryer		73 MM BTU/hr	73 MM BTU/hr		8760 hr/yr
EQT 0034	002 - CC Vent to Scrubber					8760 hr/yr
EQT 0035	002b - CC Vent to Combustor		4 MM BTU/hr	4 MM BTU/hr		8760 hr/yr
EQT 0036	003 - Grinder Discharge Vents (2)					8064 hr/yr
EQT 0037	010 - Dowtherm Heater		13 MM BTU/hr	13 MM BTU/hr		2016 hr/yr
EQT 0038	011 - HCN Drop Tank Flare		1.27 MM BTU/hr	1.27 MM BTU/hr		8760 hr/yr
EQT 0039	012 - Vacuum Vents					8760 hr/yr
EQT 0040	013 - Filter Vent Exhaust					8064 hr/yr
EQT 0042	2110-F - Dispersion Agent Storage	25000 gallons	2.5 MM gallons/yr	2.5 MM gallons/yr		8760 hr/yr
EQT 0043	2112-F - Princep Master Batch	15000 gallons	300000 gallons/yr	300000 gallons/yr		8760 hr/yr
EQT 0044	219-F - Dowtherm Blowdown Drum	18000 gallons	5140 gallons/yr	5140 gallons/yr		8760 hr/yr
EQT 0045	2117-FA - Toximal Storage	30500 gallons	3.06 MM gallons/yr	3.06 MM gallons/yr		8760 hr/yr
EQT 0046	2119-F - Ethylene Glycol Storage	20000 gallons	2 MM gallons/yr	2 MM gallons/yr		8760 hr/yr
EQT 0047	2120-F - Renex Storage	20000 gallons	1.32 MM gallons/yr	1.32 MM gallons/yr		8760 hr/yr
EQT 0048	1-03 - Thermal Oxidizer		3.44 MM BTU/hr	3.44 MM BTU/hr		8760 hr/yr
EQT 0050	105-F - Dissolver Tank	20000 gallons				8760 hr/yr
EQT 0051	132-FA - South Stripper Feed Tank	15000 gallons	456856 gallons/yr	456856 gallons/yr		8760 hr/yr
EQT 0052	132-FB - North stripper Feed Tank	15000 gallons	456856 gallons/yr	456856 gallons/yr		8760 hr/yr
EQT 0053	133-F - Toluene/Water Separator	20000 gallons				8760 hr/yr
EQT 0054	134-F - Topping Still Drum	12000 gallons				8760 hr/yr
EQT 0055	156-F - Vent Relief Tank	3000 gallons				8760 hr/yr
EQT 0056	168-F - Multi-Stage Decanter	16500 gallons				8760 hr/yr
EQT 0058	4-91 - CATV System					8760 hr/yr
EQT 0059	130-FA - CC/Toluene Storage Tank	500000 gallons	101.67 MM gallons/hr	101.67 MM gallons/yr		8760 hr/yr
EQT 0060	130-FB - CC/Toluene Storage Tank	500000 gallons	101.67 MM gallons/yr	101.67 MM gallons/yr		8760 hr/yr
EQT 0061	136-F - Toluene Storage	500000 gallons	101.67 MM gallons/yr	101.67 MM gallons/yr		8760 hr/yr
EQT 0062	140-F - Toluene Storage	500000 gallons	101.67 MM gallons/hr	101.67 MM gallons/yr		8760 hr/yr
EQT 0070	113-F - Carbon Tetrachloride Storage Tank	6000 gallons				8760 hr/yr
EQT 0071	131-F - Carbon Tetrachloride Storage Tank	5000 gallons				8760 hr/yr
EQT 0072	2414-F - Triazine Effluent Surge Tank	5500 gallons				8760 hr/yr
EQT 0142	125-FB - Alrazine Sump Water Recycle Tank	20000 gallons				8760 hr/yr
EQT 0143	617-F - Surge Trim Tank	50000 gallons				8760 hr/yr
EQT 0144	618-F - Ball Mill Feed Tank	50000 gallons				8760 hr/yr
EQT 0145	621-F - Liquid Triazine Feed Tank	50000 gallons				8760 hr/yr
EQT 0146	631-F - Liquid Triazine Feed Tank	50000 gallons				8760 hr/yr
EQT 0147	608-F - Assay Trim Tank	50000 gallons				8760 hr/yr
EQT 0148	612-F - Liquid Triazine Receiver Tank	50000 gallons				8760 hr/yr
EQT 0149	615-F - Slurry Receiver Tank	50000 gallons				8760 hr/yr
EQT 0321	CaCl Vent - Calcium Chloride Vent					8760 hr/yr

**INVENTORIES**

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant  
 Activity Number: PER20090001  
 Permit Number: 2904-V2  
 Air - Title V Regular Permit Minor Mod

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Herbicide Production Facility						
FUG 0003	HPFFUG - Fugitive Emissions					8760 hr/yr

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>Herbicide Production Facility</b>							
EQT 0033	001 - Spray Dryer	8.5	62000	12.5		96	128
EQT 0034	002 - CC Vent to Scrubber	73	42000	3.5		130	125
EQT 0035	002b - CC Vent to Combustor	73	42000	3.5		130	185
EQT 0036	003 - Grinder Discharge Vents (2)	3.9	14700	3		25	112
EQT 0037	010 - Dowtherm Heater	25	4850	2		138	1250
EQT 0038	011 - HCN Drop Tank Flare	40	480	.5		130	1200
EQT 0039	012 - Vacuum Vents	40	1070	.75		80	110
EQT 0040	013 - Filter Vent Exhaust	39	22500	3.5		50	140
EQT 0044	119-F - Dowtherm Blowdown Drum	.46	36.6	1.3		130	100
EQT 0048	1-03 - Thermal Oxidizer	31	4000	1.2		55	168
EQT 0050	105-F - Dissolver Tank	0	0	.3		17	77
EQT 0051	132-FA - South Stripper Feed Tank	0	.35	.3		16	77
EQT 0052	132-FB - North stripper Feed Tank	0	.35	.3		16	77
EQT 0053	133-F - Toluene/Water Separator	0	.17	.2		13	77
EQT 0054	134-F - Topping Still Drum	0	.17	.2		10	77
EQT 0055	156-F - Vent Relief Tank	0	.17	.2		9	77
EQT 0056	168-F - Multi-Stage Decanter	0	.17	.5		16	77
EQT 0058	4-91 - CATV System	54	3415	1.2		60	85
EQT 0059	130-FA - CC/Toluene Storage Tank	.35	400.2	.5		38	77
EQT 0060	130-FB - CC/Toluene Storage Tank	.35	6.67	.5		38	77
EQT 0061	136-F - Toluene Storage	0	0	.3		32	77
EQT 0062	140-F - Toluene Storage	0	0	.3		32	77
FUG 0003	HPFFUG - Fugitive Emissions						

**Relationships:**

ID	Description	Relationship	ID	Description
EQT 0035	002b - CC Vent to Combustor	Vents to	EQT 0034	002 - CC Vent to Scrubber

**INVENTORIES**

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant  
 Activity Number: PER20090001  
 Permit Number: 2904-V2  
 Air - Title V Regular Permit Minor Mod

**Relationships:**

ID	Description	Relationship	ID	Description
EQT 0070	113-F - Carbon Tetrachloride Storage Tank	Vents to	EQT 0035	002b - CC Vent to Combustor
EQT 0071	131-F - Carbon Tetrachloride Storage Tank	Vents to	EQT 0035	002b - CC Vent to Combustor
EQT 0321	CaCl Vent - Calcium Chloride Vent	Vents to	EQT 0034	002 - CC Vent to Scrubber
GRP 0021	- Thermal Oxidizer Group	Vents to	EQT 0048	1-03 - Thermal Oxidizer
GRP 0021	- Thermal Oxidizer Group	Vents to	EQT 0058	4-91 - CATV System
GRP 0022	- CATV System Group	Vents to	EQT 0048	1-03 - Thermal Oxidizer
GRP 0022	- CATV System Group	Vents to	EQT 0058	4-91 - CATV System

**Subject Item Groups:**

ID	Group Type	Group Description
GRP 0021	Equipment Group	- Thermal Oxidizer Group
GRP 0022	Equipment Group	- CATV System Group
GRP 0023	Scenario	- During Shutdown Vents to Atmosphere
UNF 0005	Unit or Facility Wide	- Herbicide Production Facility

**Group Membership:**

ID	Description	Member of Groups
EQT 0039	012 - Vacuum Vents	GRP00000000021
EQT 0050	105-F - Dissolver Tank	GRP00000000021
EQT 0051	132-FA - South Stripper Feed Tank	GRP00000000021
EQT 0052	132-FB - North stripper Feed Tank	GRP00000000021
EQT 0053	133-F - Toluene/Water Separator	GRP00000000021
EQT 0054	134-F - Topping Still Drum	GRP00000000021
EQT 0055	156-F - Vent Relief Tank	GRP00000000021
EQT 0056	168-F - Multi-Stage Decanter	GRP00000000021
EQT 0059	130-FA - CC/Toluene Storage Tank	GRP00000000022
EQT 0060	130-FB - CC/Toluene Storage Tank	GRP00000000022
EQT 0061	136-F - Toluene Storage	GRP00000000022
EQT 0062	140-F - Toluene Storage	GRP00000000022
GRP 0021	- Thermal Oxidizer Group	GRP00000000022, GRP00000000023
GRP 0022	- CATV System Group	GRP00000000021, GRP00000000023

**NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group**

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0670	0670 Pesticides Manufacture	1	Trains

**INVENTORIES**

**AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant**  
**Activity Number: PER20090001**  
**Permit Number: 2904-V2**  
**Air - Title V Regular Permit Minor Mod**

<b>SIC Codes:</b>	
2879	Pesticides and agricultural chemicals, nec
	UNF 005

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20090001

Permit Number: 2904-V2

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Herbicide Production Facility															
EQT 0033 001	13.51	14.86	59.17	10.60	11.66	46.44	3.84	3.20	14.02	0.04	0.05	0.18	1.29	1.54	5.65
EQT 0034 002													0.19	35.46	0.84
EQT 0035 002b	0.22	0.26	0.96	2.20	2.64	9.64	0.03	0.04	0.13	0.002	0.003	0.01	0.03	0.05	0.13
EQT 0036 003							0.33	1.30	1.44						
EQT 0037 010	0.43	0.48	0.43	1.73	1.91	1.74	0.09	0.10	0.10	0.01	0.01	0.01	0.07	0.08	0.08
EQT 0038 011	0.47	0.47	2.1	0.09	0.09	0.4	0.003	0.003	0.01	0.001	0.001	0.004	0.08	0.10	0.36
EQT 0040 013							0.003	0.003	0.01				4.61	5.53	20.20
EQT 0042 2110-F													0.002	0.002	0.01
EQT 0043 2112-F													0.002	0.002	0.01
EQT 0044 118-F													0.004	0.004	0.02
EQT 0045 2117-FA													0.002	0.002	0.01
EQT 0046 2119-F													0.004	0.004	0.02
EQT 0047 2120-F													0.001	0.001	0.003
EQT 0048 1-03	0.28	0.34	1.24	0.34	0.40	1.48	0.03	0.03	0.11	0.002	0.002	0.01	0.10	0.35	0.42
EQT 0050 105-F													0.002	0.002	0.001
EQT 0051 132-FA													0.02	0.03	0.003
EQT 0052 132-FB													0.02	0.03	0.003
EQT 0053 133-F													0.01	0.01	0.001
EQT 0054 134-F													0.01	0.02	0.002
EQT 0055 156-F													0.01	0.01	0.001
EQT 0056 168-F													0.01	0.01	0.001
EQT 0058 4-91													0.96	1.15	4.21
EQT 0059 130-FA													1.57	1.88	0.19

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20090001

Permit Number: 2904-V2

Air - Title V Regular Permit Minor Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Herbicide Production Facility															
EQT 0060 130-FB													1.57	1.88	0.19
EQT 0061 136-F													0.81	0.97	0.10
EQT 0062 140-F													0.81	0.97	0.10
EQT-0072 2414-F													0.01	0.01	0.001
EQT 0142 125-FB													0.001	0.001	0.001
EQT 0143 617-F													0.001	0.001	0.001
EQT 0144 618-F													0.001	0.001	0.001
EQT 0145 621-F													0.001	0.001	0.001
EQT 0146 631-F													0.001	0.001	0.001
EQT 0147 608-F													0.001	0.001	0.001
EQT 0148 612-F													0.001	0.001	0.001
EQT 0149 615-F													0.001	0.001	0.001
FUG 0003 HPF FUG													46.62	0.001	204.18

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20090001

Permit Number: 2904-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0033 001	Benzene	0.001	0.001	0.001
	Hexachlorobenzene	0.004	0.005	0.02
	Methanol	0.08	0.13	0.37
	Toluene	0.82	0.98	3.59
EQT 0034 002	Carbon tetrachloride	0.18	34.13	0.80
	Chlorine	1.72	1.05	1.14
	Chloroform	0.01	1.33	0.05
	Cyanide compounds	3.41	35.50	14.91
	Hydrochloric acid	0.09	6.26	0.38
	Hydrogen cyanide	0.001	0.002	0.02
	Phosgene	0.01	0.12	0.03
EQT 0035 002b	Benzene	0.001	0.001	0.001
	Carbon tetrachloride	0.003	0.012	0.014
	Chlorine	0.014	0.014	0.06
	Chloroform	0.001	0.001	0.001
	Cyanide compounds	0.01	0.01	0.04
	Hydrochloric acid	0.20	0.28	0.87
	Methanol	0.005	0.006	0.02
	Phosgene	0.001	0.001	0.001
EQT 0037 010	Benzene	0.001	0.001	0.001
	Methanol	0.01	0.02	0.02
EQT 0038 011	Benzene	0.001	0.001	0.001
	Hydrogen cyanide	0.06	0.09	0.26
	Methanol	0.002	0.002	0.01
EQT 0040 013	Toluene	4.61	5.53	20.20
EQT 0043 2112-F	Ethylene glycol	0.002	0.002	0.01
EQT 0044 119-F	Biphenyl	0.004	0.004	0.02
EQT 0046 2119-F	Ethylene glycol	0.002	0.002	0.01
EQT 0048 1-03	Benzene	0.001	0.001	0.001
	Chlorinated Dibenzo-P-Dioxins	<0.001	<0.001	<0.001
	Chlorinated dibenzofurans	<0.001	<0.001	<0.001
	Hydrochloric acid	0.19	0.82	0.83
	Methanol	0.004	0.005	0.02

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20090001

Permit Number: 2904-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0048 1-03	Toluene	0.06	0.27	0.27
EQT 0050 105-F	Toluene	0.002	0.002	0.001
EQT 0051 132-FA	Toluene	0.02	0.03	0.003
EQT 0052 132-FB	Toluene	0.02	0.03	0.003
EQT 0053 133-F	Toluene	0.01	0.01	0.001
EQT 0054 134-F	Toluene	0.01	0.02	0.002
EQT 0055 156-F	Toluene	0.01	0.01	0.001
EQT 0056 168-F	Toluene	0.01	0.01	0.001
EQT 0058 4-91	Hydrochloric acid	0.20	0.40	0.88
	Toluene	0.96	1.15	4.21
EQT 0059 130-FA	Hydrochloric acid	0.10	0.20	0.07
	Toluene	1.57	1.88	0.19
EQT 0060 130-FB	Hydrochloric acid	0.10	0.20	0.07
	Toluene	1.57	1.88	0.19
EQT 0061 138-F	Toluene	0.81	0.97	0.10
EQT 0062 140-F	Toluene	0.81	0.97	0.10
EQT 0072 2414-F	Toluene	0.01	0.01	0.001
EQT 0142 125-FB	Ethylene glycol	0.001	0.001	0.001
	Toluene	0.001	0.001	0.001
EQT 0143 617-F	Ethylene glycol	0.001	0.001	0.001
	Toluene	0.001	0.001	0.001
EQT 0144 618-F	Ethylene glycol	0.001	0.001	0.001
	Toluene	0.001	0.001	0.001
EQT 0145 621-F	Ethylene glycol	0.001	0.001	0.001
	Toluene	0.001	0.001	0.001
EQT 0146 631-F	Ethylene glycol	0.001	0.001	0.001
	Toluene	0.001	0.001	0.001
EQT 0147 608-F	Ethylene glycol	0.001	0.001	0.001
	Toluene	0.001	0.001	0.001
EQT 0148 612-F	Ethylene glycol	0.001	0.001	0.001
	Toluene	0.001	0.001	0.001
EQT 0149 615-F	Ethylene glycol	0.001	0.001	0.001
	Toluene	0.001	0.001	0.001

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20090001

Permit Number: 2904-V2

Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0003 HPFFUG	Biphenyl	2.02		8.87
	Carbon tetrachloride	2.04		8.91
	Chlorine	0.03		0.11
	Toluene	37.08		162.43
UNF 0005	Benzene			0.01
	Biphenyl			8.89
	Carbon tetrachloride			9.72
	Chlorinated Dibenzo-P-Dioxins			<0.001
	Chlorinated dibenzofurans			<0.001
	Chlorine			1.31
	Chloroform			0.05
	Cyanide compounds			14.95
	Ethylene glycol			0.03
	Hexachlorobenzene			0.02
	Hydrochloric acid			3.10
	Hydrogen cyanide			0.28
	Methanol			0.44
	Phosgene			0.03
Toluene			191.30	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS**

**AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant**

**Activity Number: PER20090001**

**Permit Number: 2904-V2**

**Air - Title V Regular Permit Minor Mod**

**EQT 0033 001 - Spray Dryer**

- 1 [LAC 33:III.1305]
  - 2 [LAC 33:III.1311.C]
  - 3 [LAC 33:III.501.C.6]
  - 4 [LAC 33:III.501.C.6]
  - 5 [LAC 33:III.501.C.6]
  - 6 [LAC 33:III.5109.A]
- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary.
- Which Months: All Year Statistical Basis: None specified
- Particulate matter (10 microns or less) >= 98 % removal efficiency.
- Which Months: All Year Statistical Basis: None specified
- Methanol and Benzene emissions are controlled by combustion (98% eff), which is determined as Maximum Achievable Control Technology (MACT).

**EQT 0034 002 - CC Vent to Scrubber**

- 7 [40 CFR 63.1362(b)(3)(ii)]
  - 8 [40 CFR 63.Subpart(MMMM)]
  - 9 [40 CFR 63.Subpart(MMMM)]
  - 10 [40 CFR 63.Subpart(MMMM)]
  - 11 [40 CFR 63.Subpart(MMMM)]
  - 12 [LAC 33:III.1305]
  - 13 [LAC 33:III.5109.A]
  - 14 [LAC 33:III.5113.B.6]
- HCl and Cl2 emissions, including HCl generated from combustion of halogenated process vent emissions, from the sum of all process vents within a process shall be reduced by 94 percent or greater or to outlet concentrations less than or equal to 20 ppmv (40 CFR 63 Subpart MMM - NESHAPS Pesticide Active Ingredient Production). [40 CFR 63.1362(b)(3)(ii)]
- pH recordkeeping by electronic or hard copy daily. [40 CFR 63.Subpart(MMMM)]
- Flow rate monitored by flow rate monitoring device once every 15 minutes. Maintain daily average liquid flow rate into the scrubber at least 486.1 gallons per minute. [40 CFR 63.Subpart(MMMM)]
- Which Months: All Year Statistical Basis: None specified
- pH monitored by grab sampling daily and percent caustic analysis must be performed daily to insure a percent caustic of greater than 3%. [40 CFR 63.Subpart(MMMM)]
- Which Months: All Year Statistical Basis: None specified
- Flow rate recordkeeping by electronic or hard copy once every 15 minutes during the period in which the scrubber is controlling HAP emissions. [40 CFR 63.Subpart(MMMM)]
- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
- Emissions are controlled by a scrubber which is determined as Maximum Achievable Control Technology (MACT). Compliance Plan certified on March 20, 1995.
- Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retain records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

**SPECIFIC REQUIREMENTS**

**AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant**

**Activity Number: PER20090001**

**Permit Number: 2904-V2**

**Air - Title V Regular Permit Minor Mod**

**EQT 0035 002b - CC Vent to Combustor**

- 15 [40 CFR 63.1362(b)(3)(ii)] HCl and Cl2 emissions, including HCl generated from combustion of halogenated process vent emissions, from the sum of all process vents within a process shall be reduced by 94% or greater or to outlet concentrations less than or equal to 20 ppmv (40 CFR 63 Subpart MMM - NESHAPS Pesticide Active Ingredient Production). [40 CFR 63.1362(b)(3)(ii)]
- 16 [40 CFR 63.1362(b)(2)] Shall control emissions of organic hazardous air pollutants to an efficiency 98% by weight or greater (NESHAPS Pesticide Active Ingredient Production - 40 CFR 63 Subpart MMM). [40 CFR 63.1362(b)(2)]
- 17 [40 CFR 63.Subpart(MMM)] pH monitored by pH instrument daily. [40 CFR 63.Subpart(MMM)]  
Which Months: All Year Statistical Basis: None specified
- 18 [40 CFR 63.Subpart(MMM)] Temperature monitored by temperature monitoring device once every 15 minutes and maintain daily average temperature of the gases existing the combustion chamber at 1596 F or above. [40 CFR 63.Subpart(MMM)]  
Which Months: All Year Statistical Basis: Annual maximum
- 19 [40 CFR 63.Subpart(MMM)] Temperature recordkeeping by electronic or hard copy once every 15 minutes. [40 CFR 63.Subpart(MMM)]
- 20 [40 CFR 63.Subpart(MMM)] Flow rate monitored by flow rate monitoring device once every 15 minutes during the period in which the scrubber is controlling HAP emissions. Maintain daily average liquid flow rate into the scrubber at least 47.7 GPM. [40 CFR 63.Subpart(MMM)]  
Which Months: All Year Statistical Basis: None specified
- 21 [40 CFR 63.Subpart(MMM)] Flow rate recordkeeping by electronic or hard copy once every 15 minutes. [40 CFR 63.Subpart(MMM)]
- 22 [40 CFR 63.Subpart(MMM)] pH recordkeeping by electronic or hard copy daily. [40 CFR 63.Subpart(MMM)]
- 23 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
- 24 [LAC 33:III.5109.A] Emissions are controlled by a gas combustion (98% eff), which is determined as Maximum Achievable Control Technology (MACT). Compliance Plan certified on March 20, 1995.

**EQT 0036 003 - Grinder Discharge Vents (2)**

- 25 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
- 26 [LAC 33:III.1311.B] Total suspended particulate <= 21.06 lb/hr. The rate of emission shall be the total of all emission points from the source.  
Which Months: All Year Statistical Basis: None specified

**EQT 0037 010 - Dowtherm Heater**

- 27 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or fancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified
- 28 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

**SPECIFIC REQUIREMENTS**

**AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant**  
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**EQT 0037 010 - Dowtherm Heater**

29 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input.  
 Which Months: All Year Statistical Basis: None specified

**EQT 0038 011 - HCN Drop Tank Flare**

30 [40 CFR 63.1362(b)(2)] Shall control emissions of organic hazardous air pollutants to an efficiency 98% by weight or greater (40 CFR 63 Subpart MMM - NESHAPS Pesticide Active Ingredient Production). [40 CFR 63.1362(b)(2)]

31 [40 CFR 63.Subpart(MMM)] A waiver is approved for the performance testing regarding the heat content and velocity requirements as allowed per 40 CFR 63.7(b)(1). Compliance was demonstrated with these requirements using an engineering assessment. [40 CFR 63.Subpart(MMM)]

32 [40 CFR 63.Subpart(MMM)] Presence of a flame recordkeeping by electronic or hard copy continuously. [40 CFR 63.Subpart(MMM)]

33 [40 CFR 63.Subpart(MMM)] EPA Method 22 (visible opacity determination) testing was performed by METCO Environmental on March 25, 2004. The results of this test showed no visible emission over (6) twenty-minute observation periods. [40 CFR 63.Subpart(MMM)]

34 [40 CFR 63.Subpart(MMM)] Presence of a flame monitored by heat sensing device once every 15 minutes. [40 CFR 63.Subpart(MMM)]

35 [LAC 33:III.1105] Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.

36 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified  
 Develop a corrective action plan for re-lighting the flare. Plan must be kept readily available for immediate implementation in the event the flare needs to be re-lit.

37 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retain records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

**EQT 0039 012 - Vacuum Vents**

38 [40 CFR 63.1362(b)(2)] Shall control emissions of organic hazardous air pollutants to an efficiency 98% by weight or better. NESHAPS Pesticide Active Ingredient Production. [40 CFR 63.1362(b)(2)]

**EQT 0040 013 - Filter Vent Exhaust**

39 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

**EQT 0043 2112-F - Princep Master Batch**

40 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33:III.Chapter 51. Ethylene Glycol is a Class III TAP; therefore, MACT is not required.

**EQT 0044 119-F - Dowtherm Blowdown Drum**

**SPECIFIC REQUIREMENTS**

**AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant**  
**Activity Number: PER20090001**  
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**EQT 0044 119-F - Dowtherm Blowdown Drum**

41 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33:III.Chapter 51. Emits Class II TAP below the MER. No additional controls are considered MACT.

**EQT 0046 2119-F - Ethylene Glycol Storage**

42 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33:III.Chapter 51. Ethylene Glycol is a Class III TAP, therefore, MACT is not required.

**EQT 0048 1-03 - Thermal Oxidizer**

- 43 [40 CFR 63.Subpart(MMM)] Flow rate recordkeeping by electronic or hard copy once every 15 minutes during the period in which the scrubber is controlling HAP emissions [40 CFR 63.Subpart(MMM)]
- 44 [40 CFR 63.Subpart(MMM)] Shall control emissions of hazardous air pollutants to an efficiency 98% by weight or greater. [40 CFR 63.Subpart(MMM)]
- 45 [40 CFR 63.Subpart(MMM)] Flow rate monitored by flow rate monitoring device once every 15 minutes. Maintain daily average liquid flow rate into the scrubber at least 11.8 gallons per minute when controlling HAPs. [40 CFR 63.Subpart(MMM)]  
 Which Months: All Year Statistical Basis: None specified
- 46 [40 CFR 63.Subpart(MMM)] Temperature monitored by temperature monitoring device once every 15 minutes and maintain daily average temperature of the gases existing the combustion chamber at 1617 F or above. [40 CFR 63.Subpart(MMM)]  
 Which Months: All Year Statistical Basis: Annual maximum  
 pH monitored daily. [40 CFR 63.Subpart(MMM)]
- 47 [40 CFR 63.Subpart(MMM)] pH recordkeeping by electronic or hard copy daily. [40 CFR 63.Subpart(MMM)]
- 48 [40 CFR 63.Subpart(MMM)] pH recorded at least every 15 minutes. [40 CFR 63.Subpart(MMM)]
- 49 [40 CFR 63.Subpart(MMM)] Temperature recorded at least every 15 minutes. [40 CFR 63.Subpart(MMM)]
- 50 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 51 [LAC 33:III.1513] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance Plan certified March 20, 1995.
- 52 [LAC 33:III.5109.A]

**EQT 0050 105-F - Dissolver Tank**

- 53 [40 CFR 63.Subpart(MMM)] Shall comply with all applicable provisions of 40 CFR 63, Subpart MMM - National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (PAI MACT). [40 CFR 63.Subpart(MMM)]
- 54 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33:III.Chapter 51. MACT is not required. Emits Class III TAP's.

**SPECIFIC REQUIREMENTS**

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**EQT 0051 132-FA - South Stripper Feed Tank**

- 55 [40 CFR 63.Subpart(MMMM)] Shall comply with all applicable provisions of 40 CFR 63, Subpart MMM - National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (PAI MACT). [40 CFR 63.Subpart(MMMM)]
- 56 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33.III.Chapter 51. MACT is not required. Emits Class III TAP's.

**EQT 0052 132-FB - North stripper Feed Tank**

- 57 [40 CFR 63.Subpart(MMMM)] Shall comply with all applicable provisions of 40 CFR 63, Subpart MMM - National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (PAI MACT). [40 CFR 63.Subpart(MMMM)]
- 58 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33.III.Chapter 51. MACT is not required. Emits Class III TAP's.

**EQT 0053 133-F - Toluene/Water Separator**

- 59 [40 CFR 63.1362(c)(2)(iv)(A)] A Group 1 storage vessel at an existing affected source shall be equipped with a closed vent system that reduces organic HAP emissions by 95% by weight or greater. Tank is controlled with Emission Point 4-91 (CATV) - NESHAPS Pesticide Active Ingredient Production -Storage Vessels. [40 CFR 63.1362(c)(2)(iv)(A)]
- 60 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33.III.Chapter 51. MACT is not required. Emits Class III TAP's.

**EQT 0054 134-F - Topping Still Drum**

- 61 [40 CFR 63.Subpart(MMMM)] Shall comply with all applicable provisions of 40 CFR 63, Subpart MMM - National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (PAI MACT). [40 CFR 63.Subpart(MMMM)]
- 62 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33.III.Chapter 51. MACT is not required. Emits Class III TAP's.

**EQT 0055 156-F - Vent Relief Tank**

- 63 [40 CFR 63.Subpart(MMMM)] Shall comply with all applicable provisions of 40 CFR 63, Subpart MMM - National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (PAI MACT). [40 CFR 63.Subpart(MMMM)]
- 64 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33.III.Chapter 51. MACT is not required. Emits Class III TAP's.

**EQT 0056 168-F - Multi-Stage Decanter**

- 65 [40 CFR 63.Subpart(MMMM)] Shall comply with all applicable provisions of 40 CFR 63, Subpart MMM - National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (PAI MACT). [40 CFR 63.Subpart(MMMM)]
- 66 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33.III.Chapter 51. MACT is not required. Emits Class III TAP's.

**EQT 0058 4-91 - CATV System**

**SPECIFIC REQUIREMENTS**

**AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant**

**Activity Number: PER20090001**

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**EQT 0058 4-91 - CATV System**

- 67 [40 CFR 63.1362(C)(5)] Hours of downtime due to planned routine maintenance can not exceed 240 hours per year (unless an application to extend is submitted)(40 CFR 63 Subpart MMM). [40 CFR 63.1362(C)(5)]
- 68 [40 CFR 63.1362(c)(2)(iv)(A)] Control storage vessels greater than 95% (40 CFR 63 Subpart MMM). [40 CFR 63.1362(c)(2)(iv)(A)]
- 69 [40 CFR 63.1368(f)(3)] Maintain average regeneration stream flow at or greater than 91.4 lb/hr for each regeneration cycle. [40 CFR 63.1368(f)(3)]
- 70 [40 CFR 63.1368(f)(3)] Bed must be cooled to at least 38 degrees C within 15 minutes of completing the cooling phase. [40 CFR 63.1368(f)(3)]
- 71 [40 CFR 63.1368(f)(3)] Bed must be heated to at least 90 degrees C during each regeneration cycle. [40 CFR 63.1368(f)(3)]
- 72 [40 CFR 63.1368(f)(3)] Regeneration frequency (time since the end of the last regeneration) can not exceed 10 hours. [40 CFR 63.1368(f)(3)]
- 73 [LAC 33:III.5109.C.6] Control VOC emissions using activated carbon adsorption units (at 95% efficiency) that have been approved by the Environmental Technology Division, Engineering Services.
- 74 [LAC 33:III.5109.A.1] Submit to DEQ a compliance plan for achieving compliance with MACT requirements in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E.
- 75 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33:III.Chapter 51. MACT is not required. Emiss class III TAPs.

**EQT 0059 130-FA - CC/Toluene Storage Tank**

- 76 [40 CFR 63.1362(c)(2)(iv)(A)] A Group 1 storage vessel at an existing affected source shall be equipped with a closed vent system that reduces organic HAP emissions by 95% by weight or greater. Tank is controlled with Emission Point 4-91 (CATV) - NESHAPS Pesticide Active Ingredient Production -Storage Vessels. [40 CFR 63.1362(c)(2)(iv)(A)]
- 77 [LAC 33:III.2103.I.2.c] VOL storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored.
- 78 [LAC 33:III.2103] Tank is equipped with a submerged fill pipe and is controlled by the Carbon Adsorption Toluene Vent (CATV) System and a condenser.
- 79 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33:III.Chapter 51. MACT is not required. Emiss Class III TAPs.

**EQT 0060 130-FB - CC/Toluene Storage Tank**

- 80 [40 CFR 63.1362(c)(2)(iv)(A)] A Group 1 storage vessel at an existing affected source shall be equipped with a closed vent system that reduces organic HAP emissions by 95% by weight or greater. Tank is controlled with Emission Point 4-91 (CATV) - NESHAPS Pesticide Active Ingredient Production -Storage Vessels. [40 CFR 63.1362(c)(2)(iv)(A)]
- 81 [LAC 33:III.2103.I.2.c] VOL storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored.
- 82 [LAC 33:III.2103] Tank is equipped with a submerged fill pipe and is controlled by the Carbon Adsorption Toluene Vent (CATV) System and a condenser.
- 83 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33:III.Chapter 51. Hydrochloric Acid and Toluene are Class III TAPs; therefore, MACT is not required.

**EQT 0061 136-F - Toluene Storage**

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**EQT 0061 136-F - Toluene Storage**

- 84 [40 CFR 63.1362(c)(2)(iv)(A)] A Group 1 storage vessel at an existing affected source shall be equipped with a closed vent system that reduces organic HAP emissions by 95% by weight or greater. Tank is controlled with Emission Point 4-91 (CATV) - NESHAPS Pesticide Active Ingredient Production -Storage Vessels. [40 CFR 63.1362(c)(2)(iv)(A)]
- 85 [LAC 33:III.2103.1.2.c] VOL storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored.
- 86 [LAC 33:III.2103] Tank is equipped with a submerged fill pipe and is controlled by the Carbon Adsorption Toluene Vent (CATV) System and a condenser.
- 87 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33:III.Chapter 51. MACT is not required. Emits Class III TAPs.

**EQT 0062 140-F - Toluene Storage**

- 88 [40 CFR 63.1362(c)(2)(iv)(A)] A Group 1 storage vessel at an existing affected source shall be equipped with a closed vent system that reduces organic HAP emissions by 95% by weight or greater. Tank is controlled with Emission Point 4-91 (CATV) - NESHAPS Pesticide Active Ingredient Production -Storage Vessels. [40 CFR 63.1362(c)(2)(iv)(A)]
- 89 [LAC 33:III.2103.1.2.c] VOL storage data recordkeeping by electronic or hard copy continuously. Keep records of the type(s) of VOC stored and the length of time stored.
- 90 [LAC 33:III.2103] Tank is equipped with a submerged fill pipe and is controlled by the Carbon Adsorption Toluene Vent (CATV) System and a condenser.
- 91 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33:III.Chapter 51. MACT is not required. Emits Class III TAPs.

**EQT 0072 2414-F - Triazine Effluent Surge Tank**

- 92 [40 CFR 63.Subpart(MMM)] Shall comply with all applicable provisions of 40 CFR 63, Subpart MMM - National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production (PAI MACT). [40 CFR 63.Subpart(MMM)]
- 93 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33:III.Chapter 51. MACT is not required. Emits Class III TAPs.

**EQT 0142 125-FB - Atrazine Sump Water Recycle Tank**

- 94 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33:III.Chapter 51. Ethylene Glycol and Toluene are Class III TAPs; therefore, MACT is not required.

**EQT 0143 617-F - Surge Trim Tank**

- 95 [LAC 33:III.5109.A] Shall comply with all applicable provisions of LAC 33:III.Chapter 51. Ethylene Glycol and Toluene are Class III TAPs; therefore, MACT is not required.

**EQT 0144 618-F - Ball Mill Feed Tank**

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**EQT 0144 618-F - Ball Mill Feed Tank**

96 [LAC 33:III.5109.A) Shall comply with all applicable provisions of LAC 33:III. Chapter 51. Ethylene Glycol and Toluene are Class III TAPs; therefore, MACT is not required.

**EQT 0145 621-F - Liquid Triazine Feed Tank**

97 [LAC 33:III.5109.A) Shall comply with all applicable provisions of LAC 33:III. Chapter 51. Ethylene Glycol and Toluene are Class III TAPs; therefore, MACT is not required.

**EQT 0146 631-F - Liquid Triazine Feed Tank**

98 [LAC 33:III.5109.A) Shall comply with all applicable provisions of LAC 33:III. Chapter 51. Ethylene Glycol and Toluene are Class III TAPs; therefore, MACT is not required.

**EQT 0147 608-F - Assay Trim Tank**

99 [LAC 33:III.5109.A) Shall comply with all applicable provisions of LAC 33:III. Chapter 51. Ethylene Glycol and Toluene are Class III TAPs; therefore, MACT is not required.

**EQT 0148 612-F - Liquid Triazine Receiver Tank**

100 [LAC 33:III.5109.A) Shall comply with all applicable provisions of LAC 33:III. Chapter 51. Ethylene Glycol and Toluene are Class III TAPs; therefore, MACT is not required.

**EQT 0149 615-F - Slurry Receiver Tank**

101 [LAC 33:III.5109.A) Shall comply with all applicable provisions of LAC 33:III. Chapter 51. Ethylene Glycol and Toluene are Class III TAPs; therefore, MACT is not required.

**FUG 0003 HPFFUG - Fugitive Emissions**

102 [40 CFR 63.1363) Shall comply with all applicable provisions of 40 CFR 63 Subpart MMM - NESIIAPS Pesticide Active Ingredient Production.

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**FUG 0003 HPPFUG - Fugitive Emissions**

103 [LAC 33:III.501]

Comply with LAC 33:III.2122, LAC 33:III.5109, and 40 CFR 63 Subpart MMM by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with 40 CFR 63 Subpart MMM - National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production.

Permittee shall comply with a streamlined equipment leak monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Non-compliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.

- i) Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (LAC 33:III.Chapter 51) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamline program will include any exemptions based on size of component available in any of the programs being streamlined.
- ii) Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters. Some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules.
- iii) Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on January 31 and July 31, to cover the periods July 1 through December 31 and January 1 through June 30, respectively. The semiannual reports shall include any monitoring performed within the reporting periods.
- iv) The facility shall comply with the requirements of the Louisiana MACT Determination for Refinery Equipment Leaks (LDREL) dated July 26, 1994, except as noted below:
  - A. A connector is in VOTAP service if a piece of equipment that either contains or contacts a volatile fluid (liquid or gas) that is at least 5% of the sum of all Class I and II organic toxic air pollutants.
  - B. Connectors that are determined to be leaking by visual, audible, olfactory, or any other detection method shall be monitored, repaired, recorded, and reported according to the provisions in the Louisiana Refinery Equipment Leaks Determination and any applicable equipment leak programs.
  - C. Connectors associated with valves shall be monitored according to the valve requirements of the applicable program. However, each associated connector shall be monitored as part of the valve and not as separate component. A connector that is associated with a valve and is determined to be leaking shall result in the valve being recorded as a leaking valve and included in the calculation of percent valves leaking.
  - D. Permittee shall submit to the Office of Environmental Assessment, Environmental Technology Division reports containing information

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**FUG 0003 HFFFUG - Fugitive Emissions**

concerning valves. Syngenta shall include on these reports the number of connectors associated with the valves that were monitored and the number of connectors found leaking, but shall not report a percent connectors leaking.

**UNF 0005 - Herbicide Production Facility**

- 104 [40 CFR 61.] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart M.
- 105 [40 CFR 63.1360] Shall comply with all applicable provisions of 40 CFR 63 Subpart M/M Pesticide Active Ingredient Production.
- 106 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.1111 or intensify an existing traffic hazard condition are prohibited.
- 107 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 108 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 109 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 110 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 111 [LAC 33:III.501.C.6] Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit.
- 112 [LAC 33:III.501.C.6] Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene.
- 113 [LAC 33:III.5105.A.1] Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
- 114 [LAC 33:III.5105.A.2] Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.
- 115 [LAC 33:III.5105.A.3] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 116 [LAC 33:III.5105.A.4] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
- 117 [LAC 33:III.5107.A.1] Submit initial annual emissions report (TEDI) to DEQ within 180 days of December 20, 1991. Identify the quantity of emissions of toxic air pollutants listed in Table 51.1 for the calendar year 1991.

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**UNF 0005 - Herbicide Production Facility**

- 118 [LAC 33:III.5107.A.2] Submit Annual Emissions Report (TED): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 119 [LAC 33:III.5107.A.3] Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations"
- 120 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 121 [LAC 33:III.5107.B.2] Submit notification: Due to the Office of Environmental Compliance, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.Chapter 51.Table 51.1 or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923.
- 122 [LAC 33:III.5107.B.3] Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923.
- 123 [LAC 33:III.5107.B.4] Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii.
- 124 [LAC 33:III.5107.B.5] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 125 [LAC 33:III.5109.A.2] Submit to DEQ a certification of compliance with all MACT requirements, in accordance with LAC 33:III.5109.D. Include the elements listed in LAC 33:III.5109.E (Compliance Plan submitted on 3/20/1995).
- 126 [LAC 33:III.5109.A] Permittee shall comply with all applicable requirements of LAC 33:III.Chapter 51. For sources that emit Class III pollutants, no controls are required.
- 127 [LAC 33:III.5109.B.2] Submit to DEQ a certification of compliance with all ambient air standards, in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E.

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- 128 [LAC 33:III.5109.B.3] Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology.
- 129 [LAC 33:III.5109.B] Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2.
- 130 [LAC 33:III.5109.C] Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department.
- 131 [LAC 33:III.5111.A.1] Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:1.1701, before commencement of the construction of any new source.
- 132 [LAC 33:III.5111.A.2.a] Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source.
- 133 [LAC 33:III.5111.A] Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified.
- 134 [LAC 33:III.5113.B.1] Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel.
- 135 [LAC 33:III.5113.B.2] Emission tests shall be conducted as set forth in accordance with Test Methods of 40 CFR, Parts 60, 61, and 63 or in accordance with alternative test methods approved by the administrative authority.
- 136 [LAC 33:III.5113.B.3] Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department.
- 137 [LAC 33:III.5113.B.4] Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e.
- 138 [LAC 33:III.5113.B.5] Analyze samples and determine emissions within 30 days after each emission test has been completed.
- 139 [LAC 33:III.5113.B.5] Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test.
- 140 [LAC 33:III.5113.B.6] Retain records of emission test results and other data needed to determine emissions. Such records shall be retained at the source, or at an alternate location approved by DEQ for a minimum of two years, and shall be made available upon request for inspection by the Office of Environmental Compliance, Surveillance Division.
- 141 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.
- 142 [LAC 33:III.5113.B.7] Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test.
- 143 [LAC 33:III.5113.C.1] Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.

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- 144 [LAC 33:III.5113.C.2] Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation.
- 145 [LAC 33:III.5113.C.2] Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ.
- 146 [LAC 33:III.5113.C.2] Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin.
- 147 [LAC 33:III.5113.C.3] Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems.
- 148 [LAC 33:III.5113.C.5.a] Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, Appendix B.
- 149 [LAC 33:III.5113.C.5.a] Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days.
- 150 [LAC 33:III.5113.C.5.d] Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS.
- 151 [LAC 33:III.5113.C.5.e] Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS.
- 152 [LAC 33:III.5113.C.5] Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system.
- 153 [LAC 33:III.5113.C.7] Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
- 154 [LAC 33:III.5151] All affected facilities shall comply with all applicable provisions in LAC 33:5151.Subchapter M.
- 155 [LAC 33:III.535] Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
- 156 [LAC 33:III.5901.A] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 157 [LAC 33:III.5907] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 158 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.

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159 [LAC 33:11.927]

Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:11.927 Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:11.927. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.